AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1. (currently amended) A system for performing a switch-over in data communication within a data computing device in accordance with protection switching data communication principles, said system comprising said data computing device arranged to operate in a data network according to the protection switching data communication principles, the data computing device comprising:

a first unit;

a protection pair unit that is a different hardware unit from said first unit;

a configurable integrated circuit of ~~a~~ said first unit ~~of said data computing device~~ sends a signal that signals ~~for signaling~~ a need for the switch-over in real time based data communication to a configurable integrated circuit of a protecting pair unit of said unit of said data computing device, and

wherein said configurable integrated circuit of said protecting pair unit ~~of said data computing device~~ is structured and arranged to perform the switch-over independently of a CPU, when the switch-over is needed.

2. (currently amended) A The system according to claim 1, wherein the system provides the signaling between the first unit and the protection pair unit units without a participation of the CPU.

3. (currently amended) A The system according to claim 1, wherein each of the configurable integrated circuit circuits comprises at least one of application-specific integrated circuit and field-programmable gate array.

4. (currently amended) A The system according to claim 1, wherein the protection switching comprises a protected LSP based on a working connection and a protecting connection.

5. (currently amended) A The system according to claim 1, wherein said first unit comprises a working unit in accordance with a LSP working connection and the protection pair unit comprises a protection unit in accordance with a LSP protection connection.

6. (currently amended) A The system according to claim 1, wherein the signal comprises a protection message for delivering that the data communication of a receiving unit is at least one of faulty and unfaulty.

7. (currently amended) ~~A~~ <u>The</u> system according to claim 1, wherein the real time based data communication presumes the switch-over to take place in less than 50 milliseconds from an occurrence of a connection fault.

8. (currently amended) ~~A~~ <u>The</u> system according to claim 1, wherein the data communication comprises at least one of Internet Protocol, Ethernet, and MPLS for real time telecommunication services.

9. (currently amended) ~~A~~ <u>The</u> system according to claim 1, wherein Multiprotocol Label Switching is contained as a bearer for the data communication.

10. (currently amended) ~~A~~ <u>The</u> system according to claim 12, wherein Multiprotocol Label Switching operates as a backbone for IP based data communication.

11. (currently amended) ~~A~~ <u>The</u> system according to claim 1, wherein the real time based data communication is such that human senses any application based on the real time based data communication substantially immediate.

12. (currently amended) ~~A~~ The system according to claim 1, wherein the data communication takes place between a source computing entity and a sink computing entity.

13. (currently amended) A data computing device for performing a switch-over in data communication within said data computing device in accordance with a protection switching data communication principles, said data computing device is structured and arranged to operate in a data network according to the protection switching data communication principles, the data computing device comprising:

a first unit;

a protection pair unit that is a different hardware unit from said first unit;

a configurable integrated circuit of ~~a~~ said first unit ~~of said data computing device~~ sends a signal that signals ~~for signaling~~ a need for the switch-over in real time based data communication to a configurable integrated circuit of a protecting pair unit of said unit of said data computing device, and

wherein said configurable integrated circuit of said protecting pair unit of said data computing device is structured and arranged to perform the switch-over independently of a CPU, when the switch-over is needed.

14. (currently amended) ~~A configurable integrated circuit card for performing a switch-over in data communication within a~~ <u>The</u> data computing device ~~in accordance with a protection switching data communication principles~~ <u>according to claim 13</u>,

wherein the configurable integrated circuit <u>is embodied on a configurable integrated circuit</u> card <u>said card</u> ~~of said data computing device~~ signals ~~a~~ <u>the</u> need for the switch-over in real time based data communication to a configurable integrated circuit of a protecting pair card of said card ~~of said data computing device, and~~

~~wherein said configurable integrated circuit of said protecting pair unit of said data computing device is structured and arranged to perform the switch-over independently of a CPU, when the switch-over is needed.~~

15. (currently amended) A method for performing a switch-over in data communication within a data computing device in accordance with a protection switching data communication principles, the method comprising:

signaling a need for the switch-over in real time based data communication from a configurable integrated circuit of a <u>first</u> unit of said data computing device to a configurable integrated circuit of a protecting pair unit of said <u>first</u> unit

of said data computing device, <u>said protection pair unit is a different hardware unit from said first unit;</u> and

performing the switch-over by said configurable integrated circuit of said protecting pair unit of said data computing device independently of a CPU,

wherein said data computing device is arranged to operate in a data network according to the protection switching data communication principles and contains both the configurable integrated circuit of said <u>first</u> unit and said configurable integrated circuit of said protecting pair unit.

16. (currently amended) ~~A~~ <u>The</u> method according to claim 15, further comprising before the step of signaling the step of detecting a connection fault in the data communication at the <u>first</u> unit.

17. (currently amended) ~~A~~ <u>The</u> method according to claim 15, further comprising the step of receiving the need at the protecting pair unit and performing the switch over by activating the data communication on the protecting pair unit.

18. (canceled)

19. (currently amended) The system according to claim 1, wherein said <u>first</u> unit comprises a card and said protecting pair unit comprises another card.

20. (previously presented) The system according to claim 5, wherein said working unit comprises a card and said protecting unit comprises another card.

21. (currently amended) The system according to claim 1, wherein said <u>first</u> unit is structured and arranged to send a protection message to said protecting pair unit, said protecting pair unit is structured and arranged to interpret the message and perform the switch-over, if necessary.

22. (currently amended) The system according to claim 3, wherein <u>each of</u> said configurable integrated ~~circuit~~ <u>circuits</u> is an application-specific integrated circuit.